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Richland Operations Office
P.O. Box 550
Richland, Washington 99352

O6-AMCP-0167

APR 03 2006

Mr. Nicholas Ceto, Program Manager
Office of Environmental Cleanup
Hanford Project Office
U.S. Environmental Protection Agency
309 Bradley Boulevard, Suite 115
Richland, Washington 99352

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APR 06 2006

EDMC

Dear Mr. Ceto:

TREATABILITY TEST REPORT FOR CALCIUM POLYSULFIDE IN THE 100-K AREA

Attached please find three copies of the report "Treatability Test Report for Calcium Polysulfide in the 100-K Area." This report documents the treatability test for fixation of Chromium (Cr+6) in the groundwater at 100-K. The work described in the report was performed to satisfy "Hanford Federal Facility Agreement and Consent Order (Ecology et al. 1989) (Tri-Party Agreement) Milestone M-016-28B, Initiate In-Field Treatability Test Using Calcium Polysulfide at 100-KR-4." The test followed a treatability test plan (DOE/RL-2005-05, Treatability Test Plan for Fixation of Chromium in the Groundwater at 100-K). The test was initiated on June 28, 2005 (three days prior to the July 1, 2005, milestone due date).

This test was conducted to evaluate using calcium polysulfide to remediate Cr+6 in the aquifer. This test also determined important hydrologic information for the 100-K Area aquifer, design experience and lessons learned for this remediation technology. If you have any questions, please contact me, or you may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:JGM

Attachment

cc w/attach:

D. A. Faulk, EPA
L. E. Gadbois, EPA
D. Goswami, Ecology
J. Hedges, Ecology
Administrative Record
Environmental Portal